CLAIMS

1. A composite electronic component comprising:

a multi-layer wiring board;

a first power terminal electrode and a second power terminal electrode disposed on a first face of the multi-layer wiring board;

an external connection power supply electrode disposed on a second face opposite to the first face of the multi-layer wiring board and connected to the first power terminal electrode;

a surface-mounted component mounted on the first face of the multi-layer wiring board and connected with the first power terminal electrode and the second power terminal electrode at a first face of the surface-mounted component;

an insulator covering at least a second face opposite to the first face of the surface-mounted component, the first power terminal electrode and the second power terminal electrode with a first face of the insulator; and

a power supply pattern disposed on a second face opposite to the first face of the insulator and connected with the first power terminal electrode and the second power terminal electrode.

2. The composite electronic component according to claim 1, further comprising:

a dielectric member covering the power supply pattern with a first face of the dielectric member; and

a grounding electrode disposed on a second face opposite to the first face of the dielectric member.

3. The composite electronic component according to claim 2, further comprising:

an internal grounding electrode disposed within an internal layer of the multi-layer wiring board, the internal grounding electrode having an edge portion exposed on a third face between the first face and the second face of the multi-layer wiring board, the edge portion being connected with the grounding electrode; and

an external connection grounding electrode disposed on the second face of the multi-layer wiring board, and connected with the internal grounding electrode.

4. The composite electronic component according to claim 1, further comprising:

a first via provided in the insulator for connecting the first power terminal electrode with the power supply pattern; and

a second via provided in the insulator for connecting the second power terminal electrode with the power supply pattern.

5. The composite electronic component according to claim 4, wherein at least one of the first via and the second via is a resistor.

6. The composite electronic component according to claim 1, further comprising:

a first conductive layer disposed on a third face between the first face and the second face of the insulator for connecting the first power terminal electrode and the power supply pattern; and

a second conductive layer disposed on a fourth face opposite to the third

face of the insulator for connecting the second power terminal electrode and the power supply pattern.

7. The composite electronic component according to claim 6, wherein at least one of the first conductive layer and the second conductive layer is a resistor.